



COURSE OUTLINE : FIRE 116
D Credit – Degree Applicable
COURSE ID 001496
Cyclical Review: September 2020

COURSE DISCIPLINE : FIRE
COURSE NUMBER : 116
COURSE TITLE (FULL) : Fire Academy I
COURSE TITLE (SHORT) : Fire Academy I

CATALOG DESCRIPTION

FIRE 116 trains students in the theory and practice of fire fighting technology. Topics include organization of the fire service, fire characteristics and behavior, fire prevention and public education, extinguishing agents, fire protection systems, and fire service communications. This course, together with FIRE 117, Fire Academy II, FIRE 118, Fire Academy III and FIRE 119, Fire Academy IV meets the State Board of Fire Services training requirements for Fire-fighter I certification. Experience requirements will need to be met prior to application for Firefighter II certification.

Total Lecture Units: 3.00

Total Laboratory Units: 1.00

Total Course Units: 4.00

Total Lecture Hours: 54.00

Total Laboratory Hours: 54.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 108.00

Total Out-of-Class Hours: 108.00

Recommended Preparation: ENGL 100 or ESL 141, or equivalent.



ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	ESL	141	Grammar And Writing IV	Compose a 400 to 450-word thesis-based essay which:	Yes
2	ESL	141	Grammar And Writing IV	a. summarizes and cites appropriately a reading passage provided as a prompt;	Yes
3	ESL	141	Grammar And Writing IV	b. includes a clear thesis statement;	Yes
4	ESL	141	Grammar And Writing IV	c. uses evidence to support the thesis;	Yes
5	ESL	141	Grammar And Writing IV	d. shows clear organization into an introduction, body and conclusion;	Yes
6	ENGL	100	Writing Workshop	Read, analyze, and evaluate contemporary articles and stories to identify topic, thesis, support, transitions, conclusion, audience, and tone;	Yes
7	ENGL	100	Writing Workshop	read, analyze, and evaluate contemporary articles and stories for the comprehension of difficult content and the identification of main ideas and (topic-based) evidence;	Yes
8	ENGL	100	Writing Workshop	read, analyze, and evaluate student compositions for unity, development, use of evidence, interpretation, coherence, and variety of sentence form;	No
9	ENGL	100	Writing Workshop	write a summary of a contemporary article or story with correct citation techniques;	Yes
10	ENGL	100	Writing Workshop	write an argumentative essay that has an introduction, body paragraphs, and a conclusion, demonstrating a basic understanding of essay organization;	No
11	ENGL	100	Writing Workshop	write an argumentative essay that addresses the topic, is directed by a thesis statement, uses appropriate textual evidence, develops logical interpretations, and concludes with some compelling observations;	No
12	ENGL	100	Writing Workshop	write an argumentative essay that integrates the ideas of others (i.e., authors) through paraphrasing, summarizing, and quoting with correct citation techniques;	No
13	ENGL	100	Writing Workshop	write an argumentative essay that generates novel ideas (those that add to the conversation rather than repeating the author's ideas) related to the topic and the readings;	No
14	ENGL	100	Writing Workshop	write compositions (e.g., summaries and argumentative essays) that are easy to read and follow, though some errors in grammar, mechanics, spelling, or diction may exist;	Yes
15	ENGL	100	Writing Workshop	proofread and edit essays for content, language, citation, and formatting problems.	Yes



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EXIT STANDARDS

- 1 Select appropriate fire extinguishing agents;
- 2 select appropriate protective dress;
- 3 design fire prevention plans and methods to disseminate that information to the public;
- 4 identify significance of the various types of building construction;
- 5 explain the various types of fire alarm systems;
- 6 explain various techniques of rescue and forcible entry;
- 7 demonstrate techniques of vehicle extrication;
- 8 demonstrate techniques for rescue emergencies;
- 9 select appropriate tools and equipment for rescue;
- 10 identify confined space rescue situations and demonstrate the basic confined space rescue techniques;
- 11 develop general knowledge about wildland and aircraft firefighting.

STUDENT LEARNING OUTCOMES

- 1 articulate the primary concepts of fire safety, fire control, and fire causation;
- 2 explain how construction and alarm systems affect fire safety;
- 3 demonstrate physical fitness required to become a firefighter.

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Fire Service Organization & Responsibility (FFI Unit A)	18	0	18
2	Firefighter Safety (FFI Unit D)	10.25	0	10.25
3	Fire Behavior and extinguishment Theory (Unit C)	16.5	0	16.5
4	Building Construction	9.25	0	9.25
5	Fire Protection & Water Systems (FFI Unit O)	0	4	4
6	Fire Protection Systems (FFI Unit P)	0	10	10
7	Communications (FFI Unit R)	0	4	4
8	Fire Prevention and Investigation (FFI Unit Q)	0	4	4
9	Incident Command System (Unit V)	0	10	10
10	Sexual Harassment and Cultural Diversity	0	8	8
11	Miscellaneous Equipment and Tools (FFI Unit B)	0	7	7
12	Testing	0	7	7
				108



OUT OF CLASS ASSIGNMENTS

- 1 written assignments (e.g. disciplinary reports, papers, etc).

METHODS OF EVALUATION

- 1 manipulative skills demonstrations
- 2 projects / reports
- 3 written tests and one written block examination
- 4 uniform inspections
- 5 notebook inspections
- 6 code of conduct evaluations / points system

METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia
- Tutorial
- Independent Study
- Collaboratory Learning
- Demonstration
- Field Activities (Trips)
- Guest Speakers
- Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	ISBN	Date
Fundamentals of Fire Fighter Skills	Required	Jones & Bartlett Learning	4	print	International Association of Fire Chiefs	978-1284144611	2019